

RAINFALL DISTRIBUTION COEFFICIENTS FOR VARIOUS DESIGN STORMS
(IN % OF TOTAL)

**CONTRA COSTA COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT**

The rainfall distribution information for the 36- and 48-Hour events is preliminary and, though it has been used for analysis and preliminary design of various drainage area facilities, has not been officially adopted by the District for use in all projects. This data should not be used for design and analysis unless specifically discussed by the District Hydrology Section.

DURATION	3-HR	6-HR	12-HR	24-HR	36-HR	48-HR	96-HR
INTERVAL	15-min	15-min	15-min	30-min	30-min	30-min	120-min
1	3.0	2.1	0.9	1.0	1.1	0.7	0.0
2	2.0	2.5	0.9	1.0	1.3	0.7	0.1
3	5.0	3.8	1.0	1.5	1.4	0.7	0.7
4	2.8	4.5	1.0	1.5	1.5	0.7	1.6
5	8.8	6.0	1.1	1.6	1.5	0.8	1.4
6	10.2	3.0	1.1	1.6	1.8	0.8	3.6
7	5.5	2.3	1.1	1.6	2.0	0.8	5.6
8	7.0	2.5	1.2	1.8	2.2	0.9	4.1
9	10.5	4.8	1.2	1.9	2.5	0.9	2.0
10	11.0	4.3	1.2	2.1	3.4	0.9	0.6
11	27.7	2.6	1.3	2.4	4.6	1.0	0.4
12	6.5	2.5	1.5	2.6	12.4	1.1	0.0
13		2.2	1.6	3.1	6.2	1.2	0.1
14		2.5	1.6	3.1	3.8	1.2	0.2
15		5.0	1.7	4.2	3.0	1.3	0.0
16		7.9	1.7	11.5	2.4	1.3	0.0
17		19.0	1.9	5.5	2.2	1.4	0.0
18		6.3	2.0	4.0	2.0	1.5	0.0
19		4.0	2.3	3.0	1.6	1.7	0.0
20		3.0	3.0	2.7	1.5	2.2	1.1
21		2.5	3.2	2.4	1.5	2.4	0.4
22		2.4	4.1	2.3	1.4	3.1	4.7
23		2.2	4.9	2.1	1.3	3.7	3.0
24		2.1	14.6	1.9	1.1	10.9	3.6
25			6.1	1.9	0.3	4.5	2.4
26			3.6	1.8	0.3	2.7	3.6
27			3.1	1.8	0.4	2.3	5.0
28			2.8	1.7	0.4	2.1	4.4
29			2.6	1.7	0.4	1.9	4.4
30			2.1	1.6	0.4	1.6	4.4
31			2.0	1.6	0.4	1.5	3.3
32			1.8	1.5	0.4	1.3	4.7
33			1.7	1.5	0.5	1.3	13.7
34			1.7	1.5	0.5	1.3	3.6
35			1.6	1.4	0.5	1.2	4.6
36			1.6	1.4	0.6	1.2	4.4
37			1.3	1.3	0.7	1.0	3.4
38			1.2	1.3	0.7	0.9	1.5
39			1.2	1.2	0.8	0.9	0.9
40			1.2	1.2	0.8	0.9	0.0
41			1.2	1.2	1.0	0.9	0.2
42			1.1	1.2	1.3	0.8	1.2
43			1.1	1.2	1.8	0.8	1.1
44			1.1	1.2	5.5	0.8	0.0

DURATION	3-HR	6-HR	12-HR	24-HR	36-HR	48-HR	96-HR
INTERVAL	15-min	15-min	15-min	30-min	30-min	30-min	120-min
45			1.0	1.1	2.4	0.7	0.0
46			1.0	1.1	1.5	0.7	0.0
47			0.9	1.1	1.1	0.7	0.0
48			0.9	1.1	1.1	0.7	0.0
49					0.9	0.3	
50					0.9	0.3	
51					0.8	0.4	
52					0.7	0.4	
53					0.7	0.4	
54					0.6	0.4	
55					0.6	0.4	
56					0.6	0.5	
57					0.5	0.5	
58					0.5	0.5	
59					0.5	0.6	
60					0.5	0.7	
61					0.5	0.8	
62					0.4	0.8	
63					0.4	1.1	
64					0.4	2.9	
65					0.4	1.4	
66					0.4	1.0	
67					0.4	0.8	
68					0.4	0.7	
69					0.4	0.6	
70					0.4	0.6	
71					0.3	0.5	
72					0.3	0.5	
73						0.5	
74						0.5	
75						0.5	
76						0.4	
77						0.4	
78						0.4	
79						0.4	
80						0.4	
81						0.4	
82						0.4	
83						0.4	
84						0.4	
85						0.3	
86						0.3	
87						0.3	
88						0.3	
89						0.3	
90						0.3	
91						0.3	
92						0.3	